


<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER NAA218 U.S. APPLICATION NO. (known, see 37 CFR 1.5) <b>107937563</b>
INTERNATIONAL APPLICATION NO. PCT/JP03/015839	INTERNATIONAL FILING DATE 11 Dec. 2003 (11.12.2003)	PRIORITY DATE CLAIMED 11 Dec. 2002 (11.12.2002)
TITLE OF INVENTION <b>Voltage-impressed current measuring apparatus and current buffers with switches used therefor</b>		
APPLICANT(S) FOR DO/EO/US Hisaharu NAKAHARA		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: <b>Certificate of Express Mailing Return receipt postcard</b>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. <b>10/537563</b> INTERNATIONAL APPLICATION NO. <b>PCT/JP03/015839</b>		ATTORNEY'S DOCKET NUMBER <b>NAA218</b>																							
The following fees have been submitted 21. <input checked="" type="checkbox"/> Basic national fee..... \$300 22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)..... \$100 All other situations..... \$200 23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared and provided to the Office..... \$400 All other situations..... \$500 <b>TOTAL OF 21, 22 and 23 =</b> \$ 900.00 <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:15%;">Total Sheets</th> <th style="width:15%;">Extra Sheets</th> <th style="width:35%;">Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th style="width:15%;">RATE</th> </tr> <tr> <td>30 - 100 =</td> <td>0/50 =</td> <td></td> <td>x \$250</td> </tr> </table> Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)). \$ <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:15%;">CLAIMS</th> <th style="width:15%;">NUMBER FILED</th> <th style="width:15%;">NUMBER EXTRA</th> <th style="width:15%;">RATE</th> </tr> <tr> <td>Total claims</td> <td>15 - 20 =</td> <td>0</td> <td>x \$ 50</td> </tr> <tr> <td>Independent claims</td> <td>2 - 3 =</td> <td>0</td> <td>x \$200</td> </tr> </table> MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360 \$ 360.00 <b>TOTAL OF ABOVE CALCULATIONS =</b> \$ 1,260.00 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. <b>SUBTOTAL =</b> \$ Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). + \$ <b>TOTAL NATIONAL FEE =</b> \$ Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$ 40.00 <b>TOTAL FEES ENCLOSED =</b> \$ 1,300.00 <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Amount to be refunded:</td> <td style="width:30%;">\$</td> </tr> <tr> <td>Amount to be charged:</td> <td>\$</td> </tr> </table>		Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	30 - 100 =	0/50 =		x \$250	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	15 - 20 =	0	x \$ 50	Independent claims	2 - 3 =	0	x \$200	Amount to be refunded:	\$	Amount to be charged:	\$
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE																						
30 - 100 =	0/50 =		x \$250																						
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE																						
Total claims	15 - 20 =	0	x \$ 50																						
Independent claims	2 - 3 =	0	x \$200																						
Amount to be refunded:	\$																								
Amount to be charged:	\$																								
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>1,300.00</u> to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>07-0137</u> . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. <b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: David N. Lathrop, Esq. Gallagher & Lathrop 601 California St., Suite 1111 San Francisco, CA 94108 Tel: 415-989-8080 Fax: 415-989-0910																									
SIGNATURE  David N. Lathrop, Esq. NAME 34,655 REGISTRATION NUMBER																									

10/537563

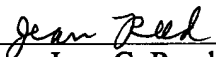
JC20 Rec'd PCT/PTO 03 JUN 2005

**PATENT COOPERATION TREATY  
U.S./PCT RECEIVING OFFICE**

Applicants:	Hisaharu Nakahara
U.S. National Stage Application of International Application No.	PCT/JP03/015839
International Filing Date:	December 11, 2003
Attorney Docket No.	NAA218
Title:	Voltage-impressed current measuring apparatus and current buffers with switches used therefor

**CERTIFICATE OF EXPRESS MAILING UNDER 37 CFR 1.10**

I hereby certify that this United States/PCT national stage patent application, transmittal letter and the documents referred to therein as enclosed are being deposited with the United States Postal Service on June 3, 2005 as "Express Mail," mailing label number EV326499365US, in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, . P.O. Box 1450 Alexandria, VA 22313-1450.

  
Jean C. Reed

GALLAGHER & LATHROP  
601 California Street, Suite 1111  
San Francisco, CA 94108-2805  
Telephone: (415) 989-8080  
Facsimile: (415) 989-0910